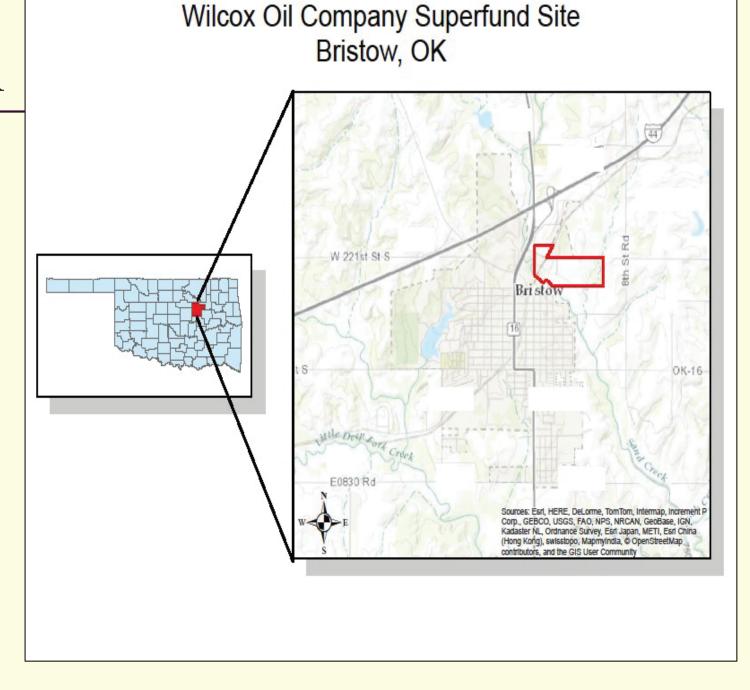
Wilcox Oil Company Superfund Site

Remedial Investigation Open House
July 21, 2016
DRAFT

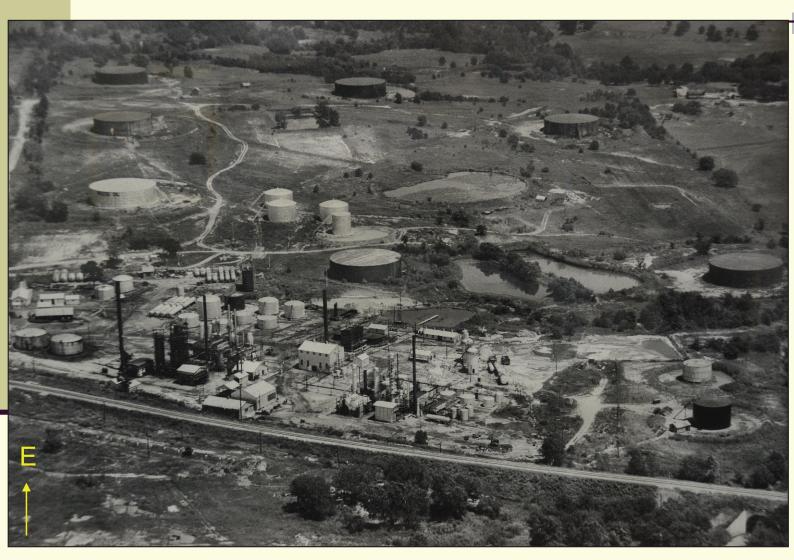


Site Location

The Site is situated NE of Bristow, creek County, Oklahoma



Site Background



Operation:
Oil Refinery

Activity Period: 1915 through 1963

Size:
about 140 to 150
acres

1950s Aerial Photograph

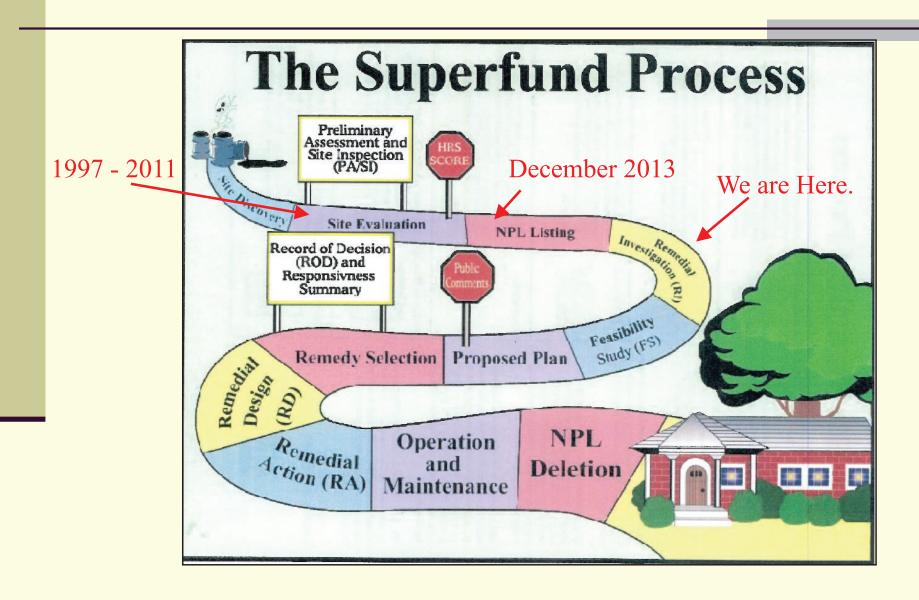
Site Discovery

- ODEQ Inventory Review
- Site Investigations
 - Preliminary Assessment (PA)
 - Site Inspection (SI)
 - Expanded Site Inspection (ESI)
- Soil data indicated that high concentrations of organics and metals are present.
- National Priorities List
 - Proposed: May 24, 2013
 - Listed: December 12, 2013





Superfund Process

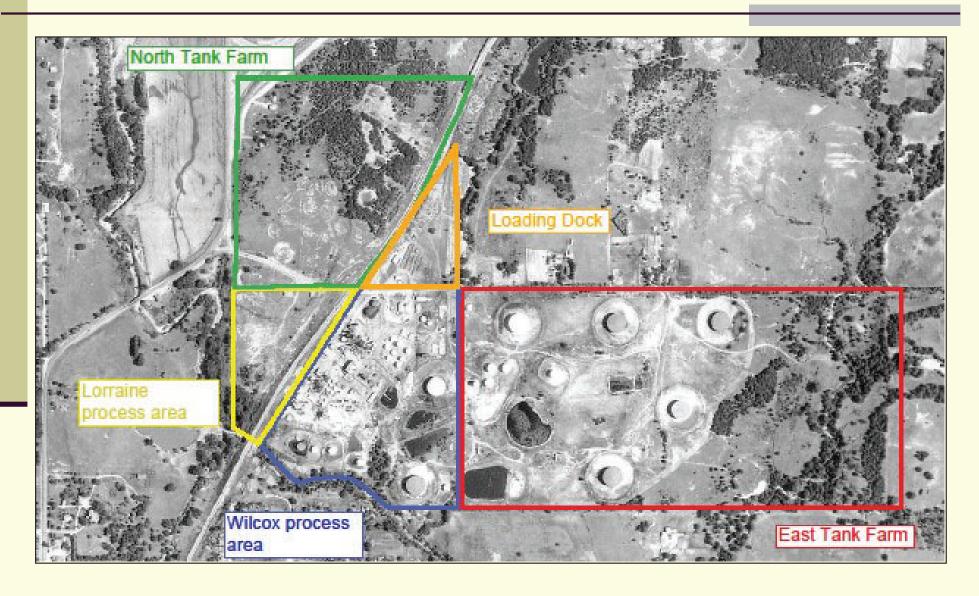


Remedial Process

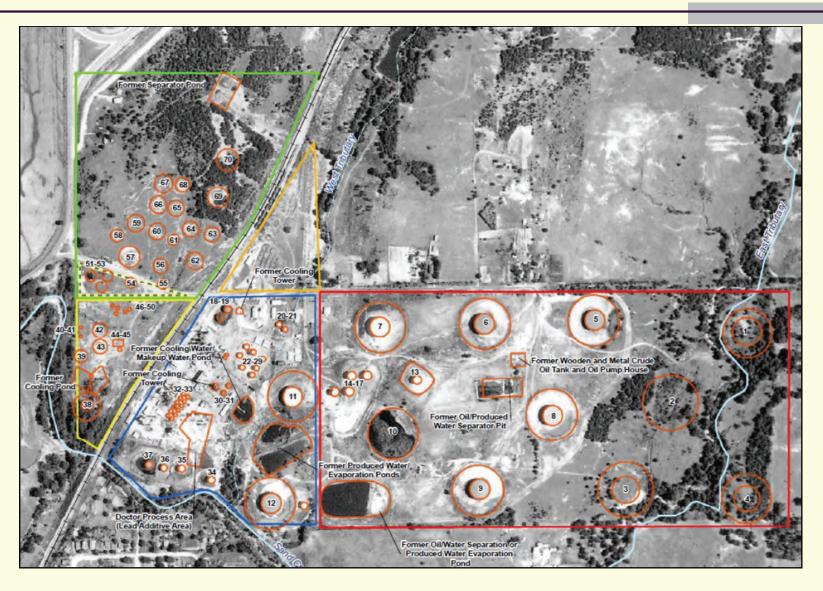
- Remedial Investigation collects data to:
 - Determine Site conditions
 - Determine nature of wastes
 - Evaluate risk from the Site to human health and environment

 Feasibility Study (FS) develops, screens, and evaluates different cleanup options

Site Remedial Investigation (RI)



Site Remedial Investigation (RI)



Activities Completed

Potentially Responsible Party Search

- No offer to perform the work
- July 2015

Sampling/Fencing

- Residential: May/June 2015
- Well: Semi-Annual beginning 2015
- Fencing: July 2015

Phase 1

- Geophysics: September 2015
- Direct Sensing: December 2015

RI Field Work

Phase 1

- Develop an understanding of
 - Site geology
 - Site OperationFeatures
 - Waste Locations

Phase 2

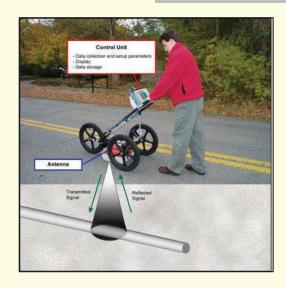
- Define the
 - Site Risks
 - Nature and Extent of Contamination

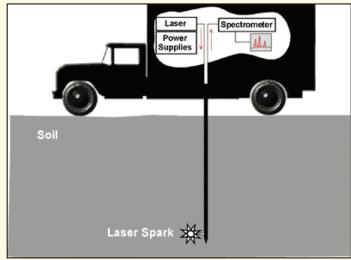
RI Field Work – Phase 1

- Geophysical Survey
 - Ground Penetrating Radar
 - Electromagnetic Survey
 - Trenching

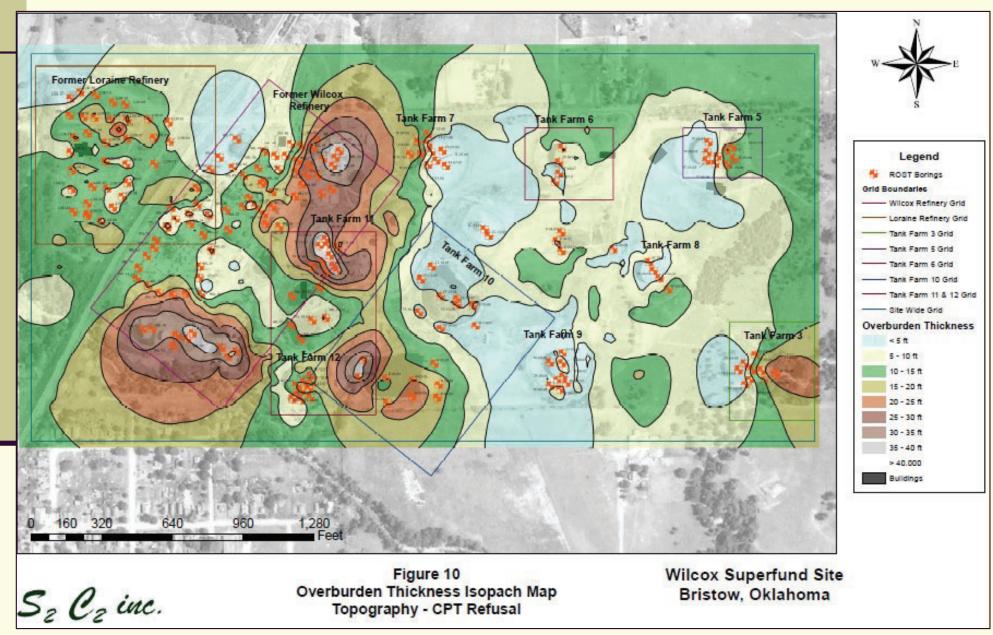


- Cone Penetrometer
- Light Induced Fluorescence

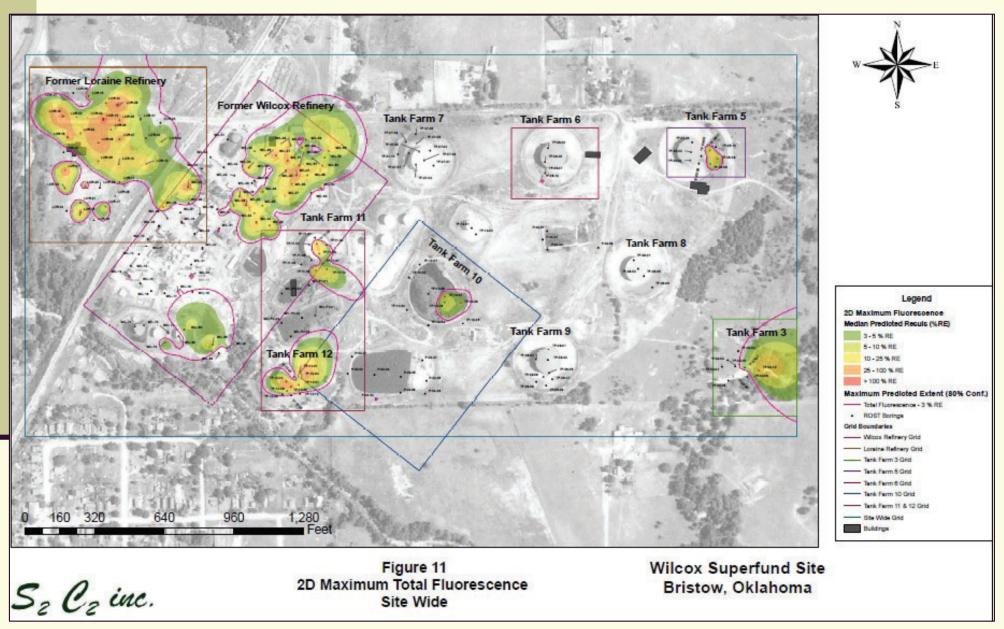


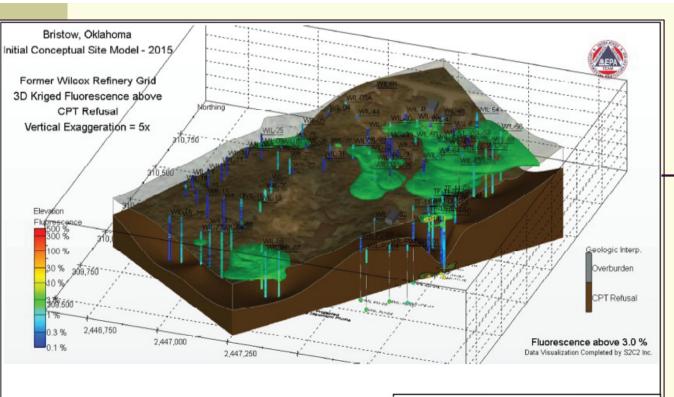


RI Field Work – Phase 1



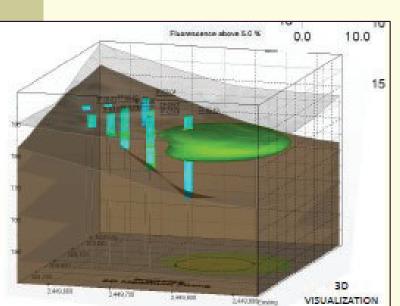
RI Field Work – Phase 1





RI Field Work – Phase 1





Sequential Sequential

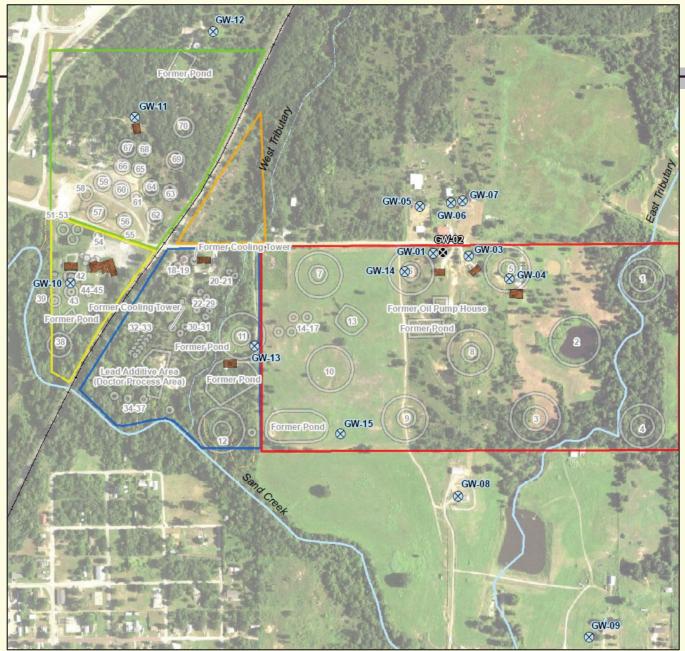
Wilcox Oil Company Open House

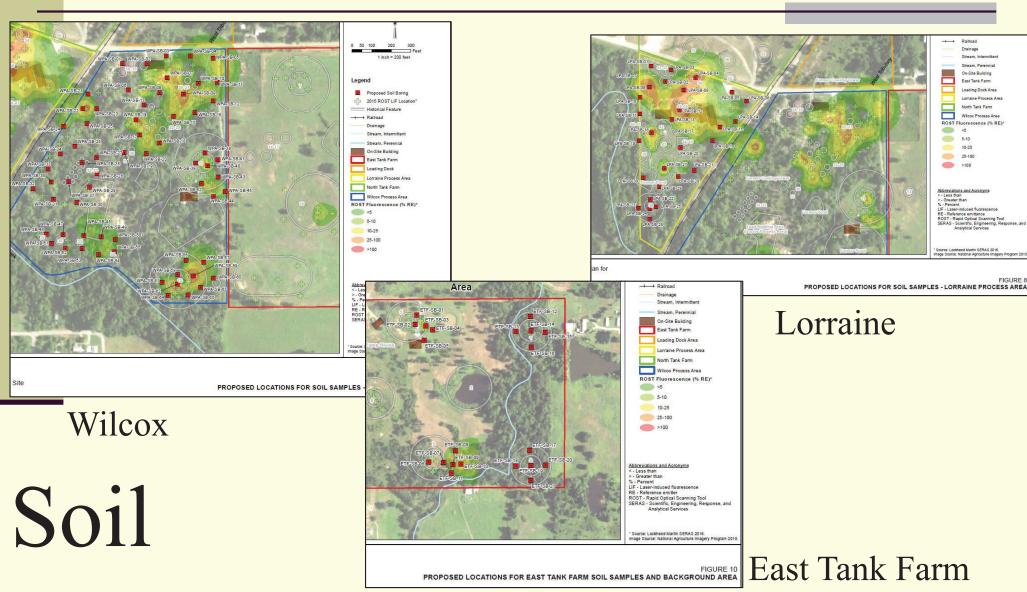
Site Work Plans

- Began Development December 2015 Based on Phase 1 Data
- Finalized Mobilization 1: July 2016

Site Field Work

- August/September 2016
- Ground Water, Soil, and Vapor Sampling
- Time permitting: surface water and sediment sampling



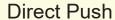


Soil



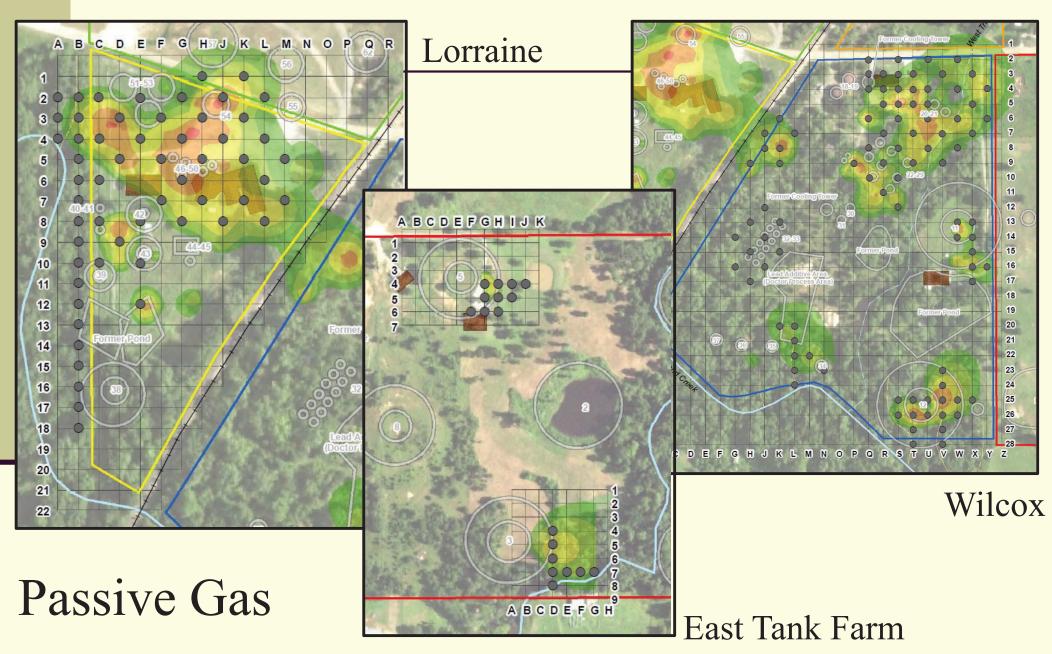












Passive Gas



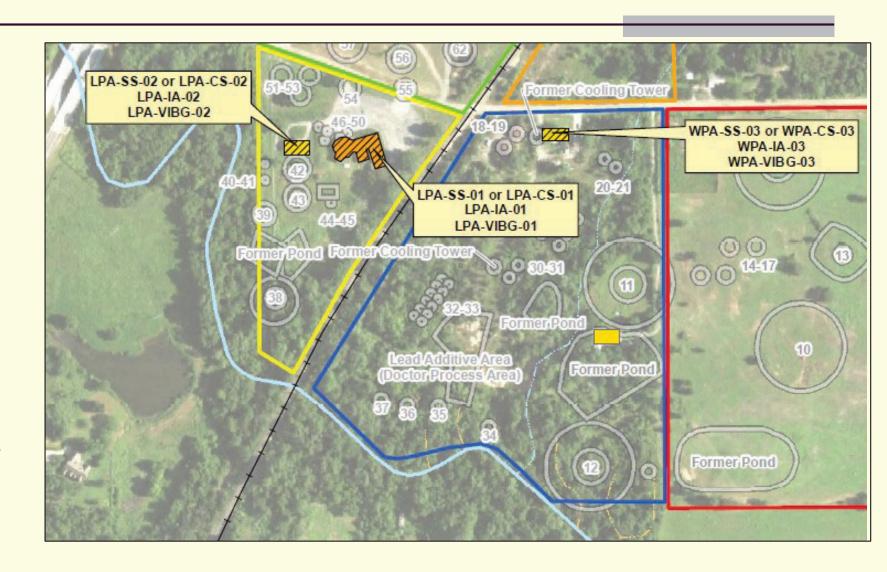
Indoor Air



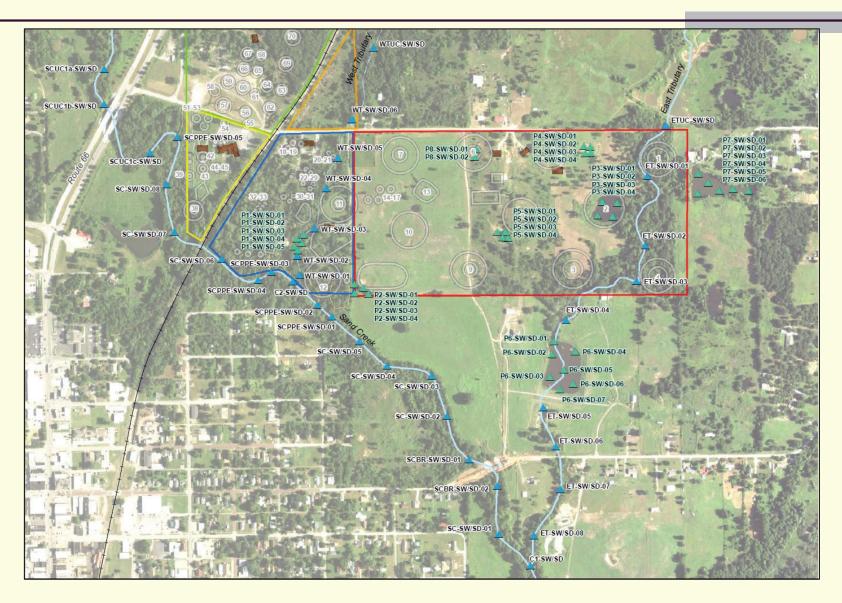


Wilcox Oil Company Open House





Indoor Air







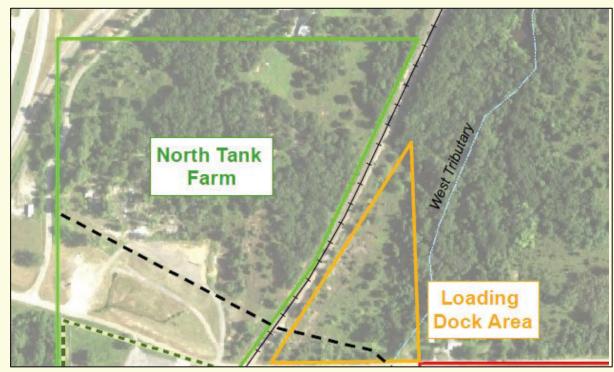






Sediment and Surface Water

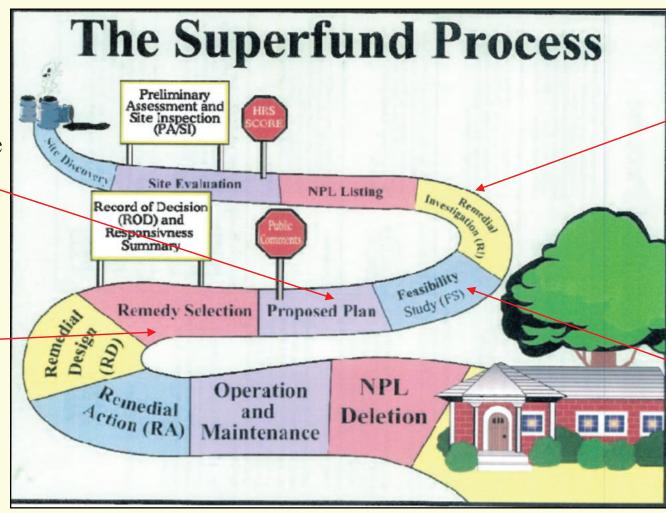
- North Tank Farm
- Loading Dock
- Data Gaps from Mobilization 1
- Early 2017



Future Work

Proposed Plan to present the preferred clean up option to the public (2017)

Record of __ Decision to establish the Site clean up (2018)



We are Here.

Feasibility Report to summarize clean up options (2017)

Community Participation

- Site documents can be found at:
 - Bristow Public Library
 - Oklahoma Department of Environmental Quality
- Web Resources
 - ODEQ: www.deq.state.ok.us/lpdnew/index.htm
 - U.S. EPA: http://www.epa.gov/superfund/search-superfund-sites-where-you-live
- Contacts

■ EPA, Project Manager: Katrina Higgins-Coltrain	214-665-8143
ODEQ, Project Manager: Todd Downham	405-702-5136
■ EPA, Community Involvement: Bill Little	214-665-8131
■ EPA toll-free number	800-533-5308